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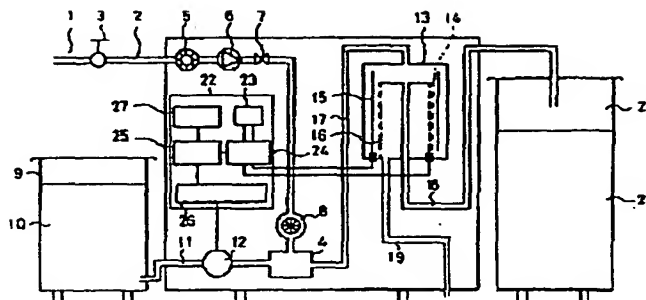
APPLICATION DATE : 30-11-93
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APPLICANT : TOTTORI SANYO ELECTRIC CO LTD;

INVENTOR : NAKAGAWA FUMIO;

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TITLE : DEVICE FOR PRODUCING ACIDIC
IONIZED WATER



ABSTRACT : PURPOSE: To keep the concentration of salinity in an aqueous mixture of salt water and water constant by adjusting current between both electrodes to be constant, performing a comparison between the measured value and the reference value of the current between both the electrodes, and controlling a water supply pump based on the compared value to control the quantity of supply of salt water.

CONSTITUTION: In this device for producing acidic ionized water, salt water 10 stored in a salt water tank 9 is fed by a water supply pump 12 to a mixing chamber 4, where the salt water is mixed with city water fed from a city water pipe 1 through a water inflow pipe 2, and the obtained water mixture is fed to an electrolyzer 13. The electrolyzer 13 is provided with a pair of electrodes 15, 16 energized by an electrolysis power source 23, and the current between both the electrodes 15, 16 is adjusted to a constant by a control part 22. The control part 22 is provided with a comparing means 25 for comparing a voltage measured by a measuring means for measuring voltage between both the electrodes 15, 16 with a reference value to output the compared value. Based on the compared value, the pump 12 is controlled by a water supply pump control means 26 to adjust the feed quantity of salt water.

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